

Method for operating an internal combustion engine and internal combustion engine for carrying out the method

Veröffentlichungsnummer DE3737820

Veröffentlichungsdatum: 1989-08-10

Erfinder SCHATZ OSKAR DR ING (DE)

Anmelder: SCHATZ OSKAR (DE)

Klassifikation:

- Internationale: F01L7/02; F02B23/00; F02B33/44; F02D45/00

- Europäische: F01L1/34; F01L7/00; F02B29/08A; F02B33/44; F02B33/44C

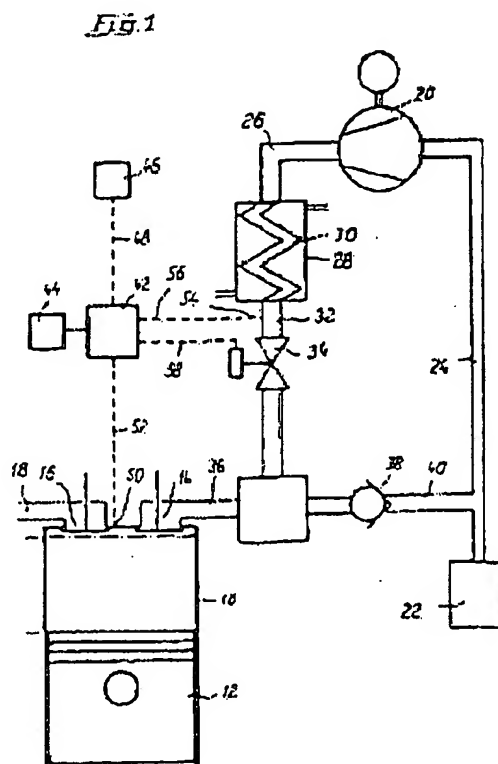
Anmeldenummer: DE19873737820 19871106

Prioritätsnummer(n): DE19873737820 19871106

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Zusammenfassung von DE3737820

An internal combustion engine of the piston type, in particular a reciprocating piston engine, in which each combustion chamber (10) is connected to an inlet channel (36) via at least one inlet valve (14) which is controlled as a function of the piston movement, is provided with a charger which produces a continuous pressure and feeds into an accumulator chamber (38), and with an air control valve (34) which is arranged between the accumulator chamber and each inlet channel and opens and closes as a function of the ignition frequency of the associated combustion chambers, and is capable of closing upstream of the associated inlet valve. As soon as the pressure in the combustion chamber (10) drops below the external pressure with the inlet valve (14) opened, non-compressed charge is sucked into the combustion chamber, to which end each combustion chamber (10) can be supplied with non-compressed charge via a channel (40) which bypasses the compressor branch which comprises the charger (20), the accumulator chamber (28) and the air control valve (34), and can be closed off by a valve (38).



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